

crown and the base are 4 more prominent threads with smaller ones between. Aperture about one-half length of shell, lirate within about 6 in number; umbilicus almost closed. Height 20 mm., width 13 mm.

Locality: Clewiston, Hendry County. Horizon: Caloosahatchee marl, Pliocene. Holotype in the McGinty collection and a paratype in the U. S. National Museum.

This species is named for the late Dr. Wendell Clay Mansfield whose contributions to the knowledge of the tertiary of Florida were many and will prove invaluable to students in the future.

TRITONALIA GRACEAE, new species. Pl. 10, Figs. 2, 2a.

Shell small, spire low, about 5 whorls (nucleus lost), suture appressed, indistinct; whorls shouldered; about 7 foliated ribs or varices; ribs spined, stronger and some recurved on the crown; double row of basal spines in the siphonal region; aperture truncate-oval; canal straight, longer than the aperture. Height: 22 mm., width 16.8 mm.

Locality: Belle Glade, Palm Beach County. Horizon: Pliocene (?). Holotype in McGinty collection.

This attractive little shell is named for Grace Pilsbry, the discoverer. *T. graceae* can be distinguished from *T. macgintyi* by the lower spire, shouldered whorls, having larger recurved foliated spines on the crown and the straight canal.

---

## NEW STATE AND COUNTY RECORDS OF LAND-SNAILS IN PENNSYLVANIA

BY CHARLES B. WURTZ

This material is offered as an annotation to the list compiled by the Laboratory of Recent Invertebrates of the Carnegie Museum in 1931. The records are from the collections of the Carnegie Museum and the writer. Those from the Carnegie Museum collection are indicated by the initials "C.M." after the county name.

Three of the state records indicated by a star (\*) were recently published by the Laboratory of Recent Invertebrates at Carnegie Museum, but they are included here as a matter of convenience.

Many people have contributed to the writer's collection and aided in the accumulation of these records. Chief among these

are Mr. L. W. Henderson, of Waynesburg College, and Miss Dorothy Wentling of Mt. Holyoke College, who was in a large part responsible for the Lebanon County records.

Records new to the state are:

#### HELICIDAE

1. *Polygyra profunda efasciata* Walker. Counties: Allegheny C.M., Beaver C.M., Lawrence C.M.
2. *Polygyra monodon* (Rackett). Counties: Allegheny C.M., Butler, Crawford, Cumberland, Fayette C.M., Lawrence C.M., Schuylkill C.M., Westmoreland.
3. *Polygyra fraterna cava* (Lea).\* Erie County.

#### ZONITIDAE

4. *Ventridens suppressus virginicus* Vanatta. Counties: Allegheny C.M., Columbia C.M., Indiana C.M., Lebanon Philadelphia C.M., Westmoreland C.M.
5. *Paravitrea placentula lacteodens* (Pilsbry). Westmoreland County.
6. *Paravitrea capsella* (Gould).\* Westmoreland County.
7. *Retinella binneyana* (Morse). Counties: Allegheny, Cumberland.
8. *Retinella carolinensis* (Ckl.).\* Counties: Cumberland, Lawrence, Lebanon, Westmoreland.
9. *Retinella wheatleyi* (Bland). Allegheny County.
10. *Euconulus chersinus* (Say). Counties: Allegheny, Schuylkill C.M.

#### ENDODONTIDAE

11. *Anguispira alternata carinata* Pilsbry. Counties: Allegheny, Armstrong, Beaver, Erie C.M., Fayette C.M., Greene, Lancaster C.M., Lawrence, McKean C.M., Mercer C.M., Westmoreland.
12. *Anguispira alternata eriensis* (Clapp). Counties: Erie C.M., Lawrence.
13. *Discus patulus angulatus* Kutchka. Counties: Allegheny.

Records of species in counties, which have not, as yet, been published, are:

## HELICIDAE

1. *Polygyra tridentata* (Say). Counties: Center C.M., Erie, Mercer, Perry, Pike.
2. *Polygyra tridentata juxtidentis* Pilsbry. Counties: Berks C.M., Fayette.
3. *Polygyra fraudulenta* Pilsbry. Counties: Armstrong, Cumberland.
4. *Polygyra fallax* (Say). Counties: Allegheny C.M., Cumberland, Greene, Washington C.M., York C.M.
5. *Polygyra profunda* (Say). Washington C.M. County.
6. *Polygyra sayana* Pilsbry. Counties: Beaver, Clarion.
7. *Polygyra albolabris* (Say). Counties: Mercer, Tioga C.M.
8. *Polygyra zaleta* (Binney). Counties: Berks C.M., Erie.
9. *Polygyra multilineata* (Say). Crawford County.
10. *Polygyra dentifera* (Binney). Greene C.M. County.
11. *Polygyra denotata* (Fér.). Counties: Butler C.M., Fayette.
12. *Polygyra thyroidus* (Say). Counties: Berks C.M., Cumberland, Dauphin, Lebanon, Lycoming, Mercer.
13. *Polygyra clausa* (Say). Philadelphia County.
14. *Polygyra mitchelliana* (Lea). Beaver C.M. County.
15. *Polygyra hirsuta* (Say). Counties: Cumberland, Lebanon, Somerset C.M.
16. *Polygyra fraterna* (Say). Counties: Crawford C.M., Cumberland, Lawrence C.M.

## ZONITIDAE

17. *Ventridens intertextus* (Binney). Counties: Lawrence C.M., Tioga C.M.
18. *Ventridens demissus* (Binney). Fayette C.M. County.
19. *Ventridens ligerus* (Say). Counties: Cumberland, Lawrence, Schuylkill C.M.
20. *Ventridens suppressus* (Say). Counties: Beaver, Butler, Cumberland, Dauphin C.M., Lawrence, Lebanon, Schuylkill, Westmoreland.
21. *Ventridens gularis* (Say). Fayette County.
22. *Zonitoides nitidus* (Müller). Counties: Cumberland, Mercer C.M., Montgomery, Westmoreland.
23. *Zonitoides arboreus* (Say). Counties: Center C.M., Cumberland, Lebanon, Luzerne C.M.

24. *Striatura ferrea* Morse. Counties: Cumberland, Fayette, Lebanon.
25. *Striatura exigua* (Stimpson). Schuylkill C.M. County.
26. *Hawaiiia minuscula* (Binney). Cumberland C.M. County.
27. *Mesomphix perleavis vulgatus* (H. B. Baker). Counties: Beaver C.M., Fayette C.M., Greene, Somerset C.M.
28. *Mesomphix inornatus* (Say). Counties: Armstrong, Clarion C.M., Erie, Mercer, Somerset C.M., Tioga, C.M.
29. *Omphalina cuprea* (Raf.). Tioga C.M. County.
30. *Retinella electrina* (Gould). Counties: Clarion C.M., Fayette, Warren C.M.
31. *Retinella indentata* (Say). Counties: Cumberland, Lebanon, Potter C.M., Schuylkill.
32. *Retinella rhoadsi* (Pilsbry). Counties: Cumberland, Fayette, Mercer.
33. *Euconulus fulvus* (Müller). Counties: Allegheny, Erie C.M.

## ENDODONTIDAE

34. *Anguispira alternata* (Say). Counties: Dauphin, Erie, Lebanon, Tioga C.M.
35. *Discus patulus* (Desh.). Counties: Butler, Erie.
36. *Discus cronkhitei anthonyi* (Pilsbry). Counties: Cumberland, Fayette, Franklin, Green C.M., Lycoming C.M., Westmoreland C.M.
37. *Discus cronkhitei catskillensis* (Pilsbry). Counties: Allegheny C.M., Cumberland, Fayette C.M., Lawrence C.M., Philadelphia, C.M., Wyoming C.M.
38. *Helicodiscus parallelus* (Say). Counties: Cumberland, Fayette C.M., Lebanon, Schuylkill, Tioga, C.M., Wyoming C.M.

## SUCCINEIDAE

39. *Succinea avara* Say. Crawford C.M. County.
40. *Succinea ovalis* (Say). Counties: Butler, Lawrence, Mercer C.M., Schuylkill C.M.
41. *Succinea retusa* (Lea). Counties: Berks C.M., Philadelphia C.M.

## PUPILLIDAE

43. *Pupoides marginatus* (Say). Counties: Fayette, Lawrence, Lebanon.
44. *Gastrocopta armifera* (Say). Counties: Cumberland, Fayette, Franklin, Lebanon, Washington C.M.
45. *Gastrocopta contracta* (Say). Counties: Cumberland, Lebanon, Schuylkill C.M.
46. *Gastrocopta pentodon* (Say). Schuylkill C.M. County.
47. *Gastrocopta tappaniana* (C. B. Adams). Erie C.M. County
48. *Gastrocopta corticaria* (Say). Counties: Butler, Lebanon.
49. *Vertigo ovata* Say. Counties: Erie C.M., Lebanon, Washington C.M.

## STROBILOPSIDAE

50. *Strobilops labyrinthica* (Say). Cumberland County.

## VALLONIIDAE

51. *Vallonia costata* (Müller). Counties: Cumberland C.M., Lebanon.
52. *Vallonia pulchella* (Müller). Counties: Bucks C.M., Butler, Cumberland, Lebanon, Wyoming C.M.
53. *Vallonia excentrica* (Sterki). Cumberland C.M. County.

## CARYCHIIDAE

54. *Carychium exiguum* (Say). Counties: Erie C.M., Schuylkill C.M.
55. *Carychium exile* H. C. Lea. Washington C.M. County.

## REFERENCES

- BROOKS, S. T., A List of the Land-Snails of Pennsylvania with a Summary of Their Distribution, Annals Carnegie Mus., vol. xx, pp. 313-331, 1931.
- MACMILLAN, G. K., Land Snails New to the Fauna of Pennsylvania, NAUTILUS, vol. 53, no. 2, pp. 47-49, 1939.